

# IDS Bulletin

Transforming Development Knowledge

Volume 47 | Number 4 | September 2016

## FORESIGHT IN INTERNATIONAL DEVELOPMENT

**Editors James Sumberg  
and Gioel Gioacchino**



<b>Notes on Contributors</b>	iii
<b>Introduction: Foresight in International Development</b> Gioel Gioacchino and James Sumberg	1
<b>Foresight and International Development</b> Kate Bingley	7
<b>Models for Foresight Use in International Development</b> Alun Rhydderch	25
<b>Agrimonde and Agrimonde-Terra: Foresight Approaches Compared</b> Marie de Lattre-Gasquet and Sébastien Treyer	37
<b>A Foresight Scenario Method for Thinking About Complex Sustainable Development Interactions</b> Dominic Glover, Kevin Hernandez and Alun Rhydderch	55
<b>Food Insecurity: The Future Challenge</b> Robin Bourgeois	71
<b>Managing Waste in India with Foresight</b> Ashish Chaturvedi and Jai Kumar Gaurav	85
<b>Where Next for Social Protection?</b> Stephen Devereux, Keetie Roelen and Martina Ulrichs	103
<b>Cities, Violence and Order: The Challenges and Complex Taxonomy of Security Provision in Cities of Tomorrow</b> Jaideep Gupte with Stephen Commins	119
<b>Glossary</b>	137

## Notes on Contributors

**Kate Bingley** is Co-Head of Research, Evidence and Learning at Christian Aid, where she has lead responsibility for strengthening evaluation processes and promoting research and learning in support of quality programming. Kate was formerly Evaluation and Learning Adviser at the Institute of Development Studies (IDS), and has led evaluations of development interventions in the UK and globally. She has also directed regional programmes and grant schemes for large international non-governmental organisations (NGOs). Kate has an interest in strategic foresight as linked to evaluation and research, but also in the context of capability development of managers and leaders.

**Robin Bourgeois** is an agricultural economist and foresight practitioner from the French Centre de coopération internationale en recherche agronomique pour le développement (CIRAD). Currently Senior Foresight Advisor at the Executive Secretariat of the Global Forum on Agricultural Research (GFAR) based in Rome, his research focuses on the engagement of local stakeholders in the use of foresight. His work includes the adaptation of foresight to multi-stakeholder environments, developing networks of foresight practitioners, and conceptual development linking foresight to governance innovation. In 2016, he will join the Centre for Studies on Governance Innovation (GovInn) at the University of Pretoria, South Africa.

**Ashish Chaturvedi** is a Senior Fellow at adelphi, Berlin and an Honorary Associate at IDS. He has 15 years' professional experience and specialises in waste management, circular economy and climate change. His recent publications have focused on the politics of transition from the throwaway to the circular economy and waste management in developing economies. He is currently advising several Indo-German bilateral projects on climate change and resource efficiency. Previously, Ashish led the Policy for Environment and Climate component of the bilateral Indo-German Environment Programme (2006–14). Ashish holds a PhD in Economics (University of California at Irvine).

**Stephen Commins** is the Associate Director for Global Public Affairs and Lecturer in Urban Planning at the Luskin School of Public Affairs at the University of California, Los Angeles (UCLA). Stephen worked on the World Development Report 2015, *Mind, Society and Behavior*, and recently completed a study of World Bank Community-Driven Development (CDD) programmes in South Asian fragile contexts, as well as a project on 'Cities, Violence and Order' with IDS/University of Sussex. He has authored several policy briefs on urbanisation and 'everyday fragility' and is currently an adviser to the 2017 World Development Report 'Governance and the Law'.

**Marie de Lattre-Gasquet** currently works as senior foresight scientist at the Centre de coopération internationale en recherche agronomique pour le développement (CIRAD) as well as at the Consortium Office of the Consultative Group on International Agricultural Research (CGIAR). She was secretary of the CIRAD-INRA (Institut national de la recherche agronomique) Ethical Committee (2001–07) and also worked at the French National Research Agency (ANR). Before that, she worked at CIRAD as adviser to the Director General and as researcher, and at the International Service for National Agricultural Research (ISNAR) (1983–8). She holds an MBA and a PhD in Management and Economics.

**Stephen Devereux** is a Research Fellow at IDS, and a Co-Director of the Centre for Social Protection (CSP). He works mainly on social protection and food security, with a focus on sub-Saharan Africa.

**Jai Kumar Gaurav** is an Associate at adelphi, focusing on waste management, resource efficiency, renewable energy and climate change adaptation. He completed an MSc in Climate Change and Development from IDS in 2015. He has worked for around seven years on climate change mitigation and adaptation in India. He also has an MSc in Environmental Studies from TERI University, New Delhi and a BSc in Environment Science, Botany and Chemistry from the University of Delhi, New Delhi. In addition he has completed a certificate course in Renewable Energy from the Technical University of Freiburg, Germany.

**Gioel Gioacchino** is the Director of Research at Recrear and a PhD candidate at IDS. Through a case study of Colombian youth organisations, Gioel's PhD project explores how different funding models affect organisational culture as well as the quality of social organisations' internal and external relationships. Working as a research officer on the Accountable Grants programme, Gioel organised a conference on 'Foresight and International Development' and researched foresight best practices and methodologies.

**Dominic Glover** is a Research Fellow at IDS and a member of the Economic and Social Research Council (ESRC) Social, Technological and Environmental Pathways to Sustainability (STEPS) Centre. His research focuses on technology and agriculture, particularly processes of socio-technical change in small-scale farming in the global South. Dominic's recent research has focused on rice cultivation systems and the spread of genetically modified crops. He has carried out field research in India, the Philippines, Nepal, Madagascar, Ethiopia and Kenya. In 2014–15, Dominic led a foresight project on the potential contribution of edible insects to global food security.

**Jaideep Gupta** is a Research Fellow and Co-leader of the Cities Cluster at IDS where his research is on urban violence, poverty and development. He was formerly a Research Fellow at the Urban Design

Research Institute, Mumbai. Other research interests and expertise include wellbeing and informal work, micro-level politics and economics of slum resettlement, informal justice/security in informal settlements, and using GIS/GPS-aided mobile data collection platforms for spatial research. Jaideep's training is in Politics (DPhil, University of Oxford), Development Studies (MPhil, University of Sussex) and Economics (BA Hons, Simon Fraser University).

**Kevin Hernandez** is a graduate of IDS and currently a research consultant to the digital cluster at IDS. His main areas of focus include foresight, the impacts of digital technologies on economies, digital inequality, alternative internet service delivery, the use of real-time data for project management, and the use of innovations and frontier technologies in international development.

**Alun Rhydderch** is Director of Horizon Scanning Ltd and Co-Founder of the School of International Futures (SOIF), which promotes the use of foresight by international governments, NGOs and businesses through retreats, courses and advisory work. He previously worked at the UK government's Horizon Scanning Centre, leading projects such as International Futures, Future of World Trade, and Technology and Innovation Futures. He edited the report *Dimensions of Uncertainty, Drafted Scenario Planning – A Guidance Note* and commissioned and edited the Sigma Scan, an online horizon scan of future public policy issues. Alun holds an MA in Modern and Medieval Languages from Cambridge University.

**Keetie Roelen** is a Research Fellow at IDS and Co-Director of the Centre for Social Protection (CSP). Her research interests include the dynamics of (child) poverty, social protection and the linkages between child protection and social protection using mixed methods approaches. Recent work includes research on measurement of child poverty, linkages between social protection and children's care and intergenerational graduation out of poverty, as well as mixed methods evaluations of social protection programmes in sub-Saharan Africa and Asia.

**James Sumberg** has been a Research Fellow at IDS since 2009 and leads the Rural Futures research cluster. His current research interests include rural young people and employment in Africa, agriculture and rural development policy, and the development implications of ongoing changes to the field of agronomic research. Previously he worked at The New Economics Foundation, the University of East Anglia, WARDA – the Africa Rice Centre, the International Livestock Centre for Africa, CARE International and the Gambian Livestock Department.

**Sébastien Treyer** is Director of Programmes at the Institute for Sustainable Development and International Relations (IDDRI), Sciences Po, Paris and a foresight specialist for environmental policies. He coordinated the Agrimonde project (scenarios for global food security in 2050) and is co-author of the 3rd Foresight Expert Group

Report for the Standing Committee for Agricultural Research (SCAR) of the EU's Directorate General (DG) Research: *Sustainable Food Consumption and Production in a Resources Constrained World*. Sébastien is Vice-President of the Scientific Council of the Seine Normandy river basin, and chairs the Scientific and Technical Committee of the French facility for the global environment (FFEM).

**Martina Ulrichs** is a Research Officer in the Social Protection Programme of the Overseas Development Institute (ODI) and holds an MA in Poverty and Development from IDS. Her research interests lie in analysing synergies between social protection systems and other sectors, such as disaster risk reduction, climate change adaptation and agriculture, to reduce vulnerability to different types of risks. She also has experience in applying participatory methods to conduct research, as well as to implementing programmes. Prior to her master's, she worked as a project assistant at the United Nations Population Fund (UNFPA) in Mexico City on gender-based violence.